

ThinkPad®

Personal Systems Reference Lenovo® ThinkPad® Edge Notebooks

February 2013 - Version 432



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ThinkPad®



Lenovo® ThinkPad Twist S230u
(Tent Mode)



Lenovo® ThinkPad Twist S230u
(Tablet Mode)



Lenovo® ThinkPad Twist S230u
(Notebook Mode)



Lenovo® ThinkPad Twist S230u
(Stand Mode)



Lenovo® ThinkPad Twist S230u



Lenovo® ThinkPad Twist S230u

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Battery cells	Preload	Ann date (mm/yy)
3347-2YU	i3-3217U	4GB	12.5" HD Multi	720p	320G 7200	TP 11a/b/g/n ²⁸	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-2RU	i7-3517U	8GB	12.5" HD Multi	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	10/12
3347-2QU	i5-3317U	4GB	12.5" HD Multi	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	10/12
3347-2NU	i3-3217U	4GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-2HU	i5-3317U	4GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-2GU	i7-3517U	8GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	10/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- A depot repair service 1-year limited warranty

Positioning Processor	Convertible tablet ultrabook™; one spindle Intel® Core™ i3-3217U processor (2 cores, 1.80GHz, 3MB Cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3317U processor (2 cores, 1.70GHz, 3MB Cache) , Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology Intel Core i7-3517U processor (2 cores, 1.90GHz, 4MB Cache) , Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology																									
Memory	2GB, 4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets																									
Optical SATA disk	None Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ All: removable, upgradable																									
mSATA™ SSD	Some: 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot																									
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color , smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons																									
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus																									
Graphics	Intel HD Graphics 4000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort) @ 60Hz; 1920x1200 (Mini HDMI) @ 60Hz																									
Keyboard TrackPoint® Touchpad Light sensor ThinkLight™	6-row, 83-key, spill-resistant, multimedia Fn keys TrackPoint pointing device UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch Ambient light sensor None																									
Dimensions ³	8-cell: 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm																									
Weight ²	8-cell: from 3.50 lb (1.60kg)																									
Case material	Display cover: Magnesium + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium + PPS																									
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication																									
Extended Battery	None																									
Battery - life ¹⁰	8-cell (42.4Whr): up to 6.0 hr																									
Chipset	Mobile Intel HM77 Express Chipset																									
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)																									
ExpressCard	None																									
Smart Card Read	None																									
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)																									
PCIe Mini Card	Two PCI Express Mini Card slots																									
PCIe WLAN ⁴	11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, Wi-Fi + Bluetooth combo adapter, 2x2																									
PCIe WWAN	None																									
SIM card	None																									
Modem	None																									
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card																									
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1																									
Intel AMT	None																									
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack																									
Security	Power-on password, hard disk password, supervisor password, security keyhole																									
Security chip	Trusted Platform Module, TCG 1.2-compliant																									
Fingerprint reader	None																									
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available																									
Supports ThinkVantage® technologies																										
65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²																										
For Lenovo ²² service upgrade options, please go to S-EDGE sheet																										

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Battery cells	Preload	Ann date (mm/yy)												
3347-7EU	i5-3427U	4GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n ²⁸	24GB	None	Black	BT	8	Win8 Pro64	02/13												
3347-7DU	i5-3427U	4GB	12.5" HD Multi	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	02/13												
3347-7CU	i5-3427U	4GB	12.5" HD Multi	720p	128G SSD	Intel 2230	None	None	Black	BT	8	Win8 Pro64	02/13												
3347-7BU	i5-3427U	4GB	12.5" HD Multi	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	02/13												
3347-78U	i5-3337U	4GB	12.5" HD Multi	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	02/13												
3347-77U	i7-3537U	8GB	12.5" HD Multi	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	02/13												
3347-76U	i5-3337U	4GB	12.5" HD Multi	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	02/13												
3347-6WU	i3-3227U	4GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	02/13												
3347-6VU	i5-3337U	4GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 64	02/13												
3347-6UU	i5-3337U	4GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	02/13												
3347-6LU	i7-3537U	8GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	02/13												
Positioning Processor	<i>Convertible tablet ultrabook™; one spindle</i> Intel® Core™ i3-3227U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3337U processor (2 cores, 1.80GHz, 3MB Cache) , Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology Intel Core i5-3427U processor (2 cores, 1.80GHz, 3MB Cache) , Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology Intel Core i7-3537U processor (2 cores, 2.00GHz, 4MB Cache) , Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology												Preloaded operating system ²⁰ - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit												
Memory	4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets												Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none">Lenovo SupportLenovo CompanionLenovo Cloud StoragePassword ManagerFingerprint Software (fingerprint models)ThinkVantage System UpdateNorton™ Internet Security (30 days of virus definitions)Microsoft Office 2013 preloaded; purchase product key to activateSkype™												
Optical SATA disk	None <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>All:</i> removable, upgradable <i>Some:</i> 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot																								
mSATA™ SSD																									
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color , smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons																								
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus																								
Graphics	Intel HD Graphics 4000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort) @ 60Hz; 1920x1200 (Mini HDMI) @ 60Hz																								
Keyboard TrackPoint® Touchpad Light sensor ThinkLight™	6-row, 83-key, spill-resistant, multimedia Fn keys TrackPoint pointing device UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch Ambient light sensor None																								
Dimensions ³ Weight ² Case material Battery - type Extended Battery Battery - life ¹⁰	8-cell: 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm 8-cell: from 3.50 lb (1.60kg) <i>Display cover:</i> Magnesium + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium + PPS Integrated Li-Polymer 8-cell, HW Authentication None <i>8-cell (42.4Whr):</i> up to 6.0 hr																								
Chipset Multicard Reader ExpressCard Smart Card Read Ports	Mobile Intel HM77 Express Chipset 4-in-1 reader (SD, SDHC, SDXC, MMC) None None Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)																								
PCIe Mini Card PCIe WLAN ⁴	Two PCI Express Mini Card slots <i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2																								
PCIe WWAN SIM card Modem Bluetooth™ Ethernet Intel AMT Audio support	None None None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1 None High Definition (HD) Audio, Realtek ALC3202 codec / stéréo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack																								
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None																								
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available																								
See footnotes for more detailed information US model(s) announced February 5 or February 19, 2013																									
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Supports ThinkVantage® technologies

65-watt AC Adapter
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
ROHS-compliant
International Warranty Service¹⁷
24 hour x 7 day¹⁸ toll-free support during the warranty period¹²

For Lenovo²² service upgrade options, please go to S-EDGE sheet

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Battery cells	Preload	Ann date (mm/yy)
3347-2PU	i3-2365M	2GB	12.5" HD Multi	720p	500G 7200	TP 11a/b/g/n ²⁸	16GB	None	Black	BT	8	Win8 Pro64	10/12
3347-79U	i3-2375M	2GB	12.5" HD Multi	720p	320G 7200	TP 11a/b/g/n ²⁸	16GB	None	Black	BT	8	Win8 Pro64	02/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- A depot repair service 1-year limited warranty

Positioning Processor	<p><i>Convertible tablet; one spindle</i></p> <p>Intel® Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB Cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology</p> <p>Intel Core i3-2375M processor (2 cores, 1.50GHz, 3MB Cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology</p>																									
Memory	2GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets																									
Optical SATA disk	<p>None</p> <p>Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™, removable, upgradable</p>																									
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot																									
Widescreen display	<p>12.5" (317.5mm) HD (1366x768) TFT color, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons</p> <p>Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus</p>																									
Multi-touch Camera																										
Graphics	<p>Intel HD Graphics 3000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort)@60Hz; 1920x1200 (Mini HDMI)@60Hz</p>																									
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys																									
TrackPoint®	TrackPoint pointing device																									
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch																									
Light sensor	Ambient light sensor																									
ThinkLight™	None																									
Dimensions ³	<i>8-cell:</i> 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm																									
Weight ²	<i>8-cell:</i> from 3.50 lb (1.60kg)																									
Case material	Display cover: Magnesium + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium + PPS																									
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication																									
Extended Battery	None																									
Battery - life ¹⁰	<i>8-cell (42.4Whr):</i> up to 6.0 hr																									
Chipset	Mobile Intel HM77 Express Chipset																									
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)																									
ExpressCard	None																									
Smart Card Read	None																									
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)																									
PCIe Mini Card	Two PCI Express Mini Card slots																									
PCIe WLAN ⁴	11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, Wi-Fi + Bluetooth combo adapter, 2x2																									
PCIe WWAN	None																									
SIM card	None																									
Modem	None																									
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card																									
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1																									
Intel AMT	None																									
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack																									
Security	Power-on password, hard disk password, supervisor password, security keyhole																									
Security chip	Trusted Platform Module, TCG 1.2-compliant																									
Fingerprint reader	None																									
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available																									
Supports ThinkVantage® technologies																										
65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²																										
For Lenovo ²² service upgrade options, please go to S-EDGE sheet																										

Memory

None

Storage and removable storage

ThinkPad 16GB mSATA Solid State Cache Drive	0B47309	ann 12/11/12
USB 2.0 Portable 320GB Hard Disk	45K1689	ann 03/17/09
USB 2.0 Portable 500GB Hard Disk	45K1690	ann 05/26/09
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ann 11/18/08
USB 3.0 Secure 500GB Hard Drive	0A65619	ann 11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann 11/29/11
USB 3.0 Secure 1TB Hard Drive	0A65621	ann 08/28/12

ThinkPad Expansion

None

Keyboard

TrackPoint Cap Collection	73P2698	ann 12/16/03
Ultraslim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann 04/05/11
USB Numeric Keypad	33L3225	ann 05/01/00
Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
ThinkPad USB Keyboard with TrackPoint	55Y9003	ann 08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann 02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann 03/24/09

Mouse

ThinkPad Bluetooth Laser Mouse	0A36407	ann 06/26/12
Lenovo Optical Mouse (USB)	06P4069	ann 05/21/03
Lenovo Laser Mouse (USB)	41U3074	ann 01/23/07
ThinkPad USB Laser Mouse	57Y4635	ann 12/15/09
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	ann 08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann 06/04/02
Lenovo Wireless Laser Mouse ⁵²	0A36188	ann 12/20/11

⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.**Security**

Kensington® MicroSaver® Cable Lock	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
Lenovo Security Cable Lock	57Y4303	ann 08/24/10
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06

Multimedia

ThinkPad In-Ear Headphones with mic	57Y4488	ann 01/07/10
Lenovo Mini Speakers M220	55Y2033	ann 01/07/10

Modem

USB 2.0 Lenovo Modem	43R1814	ann 02/26/08
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Power adapters

ThinkPad 65W AC Adapter ⁴⁵	40Y7696	ann 01/05/06
⁴⁵ Only compatible with the integrated graphics models.		

ThinkPad 90W AC Adapter	40Y7659	ann 09/20/05
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More information at www.lenovopowertips.com**Carrying Cases**

Up to 13.3" widescreen models:	41U5062	ann 05/13/08
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ThinkPad Ultraportable Case	41U5062	ann 05/13/08
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Up to 15.6" widescreen models:

Lenovo Performance BackPack	41U5254	ann 05/01/07
ThinkPad Business Topload Case	43R2476	ann 05/13/08

ThinkPad Business Backpack	43R2482	ann 05/13/08
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ThinkPad Deluxe Expander Case	43R2478	ann 05/13/08
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ThinkPad Executive Leather Case	43R2480	ann 05/13/08
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Lenovo Sport Backpack - Red	0A33896	ann 02/28/12
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Lenovo Sport Slimcase - Red	0A33897	ann 02/28/12
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Lenovo Sport Messenger - Red	0A33898	ann 02/28/12
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More information at www.lenovo.com/support/cases**Monitors**

ThinkVision LT2323p Wide 23" (VGA, DP, DVI-D) ⁶⁹	3024HB1	ann 09/13/11
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Lenovo LS2023 Wide 20" (VGA, DVI)	3778HB2	ann 08/02/11
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Lenovo LS1922 Wide 18.5" (VGA)	2580AF1	ann 08/02/11
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Lenovo LS2223 Wide 21.5" (VGA, DVI)	3783HB2	ann 08/02/11
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Lenovo LS2323 Wide 23" (VGA, DVI)	3794HB1	ann 08/02/11
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More information at www.lenovo.com/support/monitors**Monitor Accessories⁴⁶**

Lenovo Mini DisplayPort to VGA Adapter	0A36536	ann 05/17/11
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Lenovo Mini DisplayPort to SL-DVI-D Adapter	0B47090	ann 06/12/12
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Lenovo Mini DisplayPort to DisplayPort Cable	0B47091	ann 07/24/12
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Kensington MicroSaver Cable Lock	73P2582	ann 12/29/03
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Kensington Twin Head Cable Lock	45K1620	ann 09/30/08
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Lenovo Security Cable Lock	57Y4303	ann 08/24/10
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⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.More information at www.lenovo.com/support/monitoraccessories**For more information on accessories:**www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems

ThinkPad®



Lenovo® ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430c



Lenovo ThinkPad Edge E430

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Battery cells	Ann date
3254-DNU	i3-2350M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64 04/12
3254-AHU	i5-2450M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	None	Matte black	Finger	6	Prem 64 04/12
3254-AGU	i3-2350M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	None	Matte black	Finger	6	Prem 64 04/12
3254-AFU	i3-2350M	2GBx1	14.0" HD Glos	720p	320G 5400	TP 11b/g/n	None	None	Matte black	Finger	6	Prem 64 04/12
3254-AEU	i5-2450M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Matte black	Finger	6	Pro 64 04/12
3254-ADU	i3-2350M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Matte black	Finger	6	Pro 64 04/12
3254-ACU	i3-2350M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	None	Matte black	Finger	6	Pro 64 04/12
3254-AMU	i5-2450M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black aluminum	Finger	6	Pro 64 04/12
3254-ALU	i3-2350M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64 04/12
3254-HJU	i5-2450M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64 05/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology											Preloaded operating system ²⁰
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller											Some: Genuine Windows® 7 Home Premium 64 Some: Genuine Windows 7 Professional 64
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™											Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot											Preloaded applications ¹⁴ (only some listed)
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											• Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD™ (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator											
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz											
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None											
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm											
Weight ²	6-cell: from 4.74 lb (2.15kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom											
Case color	Some: Black aluminum (top); black bottom											
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum											
Battery - type ³⁷	Lithium Ion 6-cell											
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr											
Chipset ExpressCard Multicard Reader	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2											Supports ThinkVantage® technologies
WWAN Modem	None											
Bluetooth™	None											
Ethernet	Some: Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card											
Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack											
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	None											
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor											
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											

See footnotes for more detailed information
US model(s) announced April 10 or May 22, 2012

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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Top color	Finger print reader	Battery cells	Battery /Wh	Ann date (mm/yy)
3254-HKU	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	62	Pro 64 05/12
3254-GLU	i5-3210M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64 06/12
3254-GKU	i5-3210M	4+2GB	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64 06/12
3254-GJU	i5-3210M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Prem 64 06/12
3254-AKU	i5-3210M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	Matte black	Finger	6	48	Prem 64 06/12
3254-AJU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Pro 64 06/12
3254-ANU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64 06/12
3254-LWU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black aluminum	Finger	6	62	Pro 64 06/12
3254-HMU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64 06/12
3254-HLU	i3-3110M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	Matte black	None	6	48	Pro 64 06/12
3254-TNU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Pro 64 07/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-3110M processor (dual-core, 2.40GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology									Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets									Ready to install applications¹⁴ (only some listed) <ul style="list-style-type: none">• One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none">• Access Connections™• TrueSuite Fingerprint Software (includes password manager function)• ThinkVantage System Update• ThinkVantage Power Manager• ThinkVantage Tools• Lenovo SimpleTap• Norton™ Internet Security 2012 (30 days of virus definitions)• Adobe® Reader®• Skype™ for Windows• Corel® WinDVD® (DVD±RW)• Corel Burn.Now™ Lenovo Edition (DVD±RW)• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot												
Widescreen display	<i>Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</i> <i>Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</i>												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA) @75Hz; 1920x1200 (HDMI) @60Hz</i>												
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None												
Dimensions ³	<i>Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm</i> <i>Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm</i>												
Weight ² Case color	6-cell: from 4.74 lb (2.15kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom												
Case material	Some: Black aluminum (top); black bottom <i>Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic</i> <i>Black aluminum (top): Aluminum</i>												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr												
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2									Supports ThinkVantage® technologies			
WWAN Modem Bluetooth™ Ethernet Audio support	None None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack									65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²			
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None Some: UPEK Fingerprint reader on palm rest, swipe sensor									For compatible accessories, please go to O-E430 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet			
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

			Wide-screen display			Disk SATA GB ^b rpm			PCIe Mini Card WLAN / BT		PCIe Mini Card WWAN /mSATA		Top color		Fingerprint reader	Battery cells	Battery /Wh	Preload	Ann date (mm/yy)
Type-model	Processor	Memory	Processor	Memory	Processor	Processor	Memory	Processor	Processor	Processor	Processor	Processor	Processor	Processor	Processor	Processor	Processor	Processor	Processor
3254-T3U	i3-3110M	4GBx1	14.0" HD Glos	720p	500G	7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64	10/12					
3254-T2U	i5-3210M	4GBx1	14.0" HD	720p	500G	7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12					
3254-T1U	i3-3110M	4GBx1	14.0" HD	720p	320G	7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12					
3254-TQU	i5-3210M	4GBx1	14.0" HD	720p	500G	7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12					
3254-TPU	i3-3110M	4GBx1	14.0" HD	720p	500G	7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12					
3254-TMU	i5-3210M	4GBx1	14.0" HD	720p	500G	7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win8 Pro64	10/12					

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none">Lenovo SupportLenovo CompanionLenovo Cloud StoragePassword ManagerFingerprint Software (fingerprint models)ThinkVantage System UpdateNorton™ Internet Security (30 days of virus definitions)Microsoft Office 2013 preloaded; purchase product key to activateSkype™
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	
mSATA™ SSD	<i>Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot</i>	
Widescreen display	<i>Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</i> <i>Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</i>	
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>	
Keyboard	6-row, spill-resistant, multimedia Fn keys	
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³	
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch	
ThinkLight™	None	
Dimensions ³	<i>Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm</i> <i>Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm</i>	
Weight ²	6-cell: from 4.74 lb (2.15kg)	
Case color	<i>Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom</i> <i>Some: Black aluminum (top); black bottom</i>	
Case material	<i>Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic</i> <i>Black aluminum (top): Aluminum</i>	
Battery - type ³⁷	Lithium Ion 6-cell	
Battery - life ¹⁰	<i>6-cell (48Whr): up to 6.4 hr</i> <i>6-cell (62Whr): up to 8.4 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard	None	
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	Supports ThinkVantage® technologies
WWAN Modem	None	
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	
Ethernet	Realtek® RTL8111F Gigabit Network Connection	
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	
Security chip	Power-on password, hard disk password, supervisor password, security keyhole	
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor	
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	

See footnotes for more detailed information
US model(s) announced October 23, 2012

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Top color	Finger print reader	Bat- tery cells	Bat- tery /Wh	Ann date (mm/yy)
6271-5JU	i3-3120M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64 10/12
6271-5HU	i3-3120M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64 10/12
6271-5KU	i3-3120M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64 10/12
6271-5GU	i5-3210M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64 10/12
6271-56U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64 10/12
6271-55U	i3-3120M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	None	6	48	Win7 Pro64 10/12
6271-58U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win7 Pro64 10/12
6271-57U	i3-3120M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win7 Pro64 10/12
6271-72U	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64 11/12
6271-6ZU	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64 11/12
6271-69U	i7-3632QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	62	Win7 Pro64 11/12
6271-9FU	i3-3130M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	None	6	48	Win7 Pro64 02/13
6271-9EU	i5-3230M	4+2GB	14.0" HD	720p	750G 5400	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64 02/13
6271-9DU	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64 02/13
Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i></p> <p>Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology</p> <p>Intel Core i3-3130M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology</p> <p>Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p> <p>Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p> <p>Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p> <p>Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p>									Preloaded operating system²⁰		
Memory	16GB max ¹ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets									<ul style="list-style-type: none"> - <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - <i>Some:</i> Windows 8 64-bit - <i>Some:</i> Windows 8 Pro 64-bit 		
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications (only some listed)		
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot									<ul style="list-style-type: none"> - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader® • Microsoft Office 2010 preloaded; purchase product key to activate 		
Widescreen display	<p><i>Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</i></p> <p><i>Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</i></p>									<ul style="list-style-type: none"> - Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Microsoft Office 2013 preloaded; purchase product key to activate 		
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator									- All models		
Graphics	<p>Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;</p> <p><i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i></p>									<ul style="list-style-type: none"> • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Skype™ 		
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None											
Dimensions ³	<p><i>Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm</i></p> <p><i>Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm</i></p>											
Weight ² Case color	6-cell: from 4.74 lb (2.15kg) <i>Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom</i>											
Case material	<p><i>Some: Black aluminum (top); black bottom</i></p> <p><i>Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic</i></p> <p><i>Black aluminum (top): Aluminum</i></p>											
Battery - type ³⁷	Lithium Ion 6-cell											
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr											
Chipset ExpressCard Multicard Reader Ports	<p>Mobile Intel HM77 Express Chipset</p> <p>None</p> <p>4-in-1 reader (MMC, SD, SDHC, SDXC)</p> <p>Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>									Supports ThinkVantage® technologies		
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2									<ul style="list-style-type: none"> 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹² 		
WWAN Modem Bluetooth™ Ethernet Audio support	<p>None</p> <p>Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card</p> <p>Realtek® RTL8111F Gigabit Network Connection</p> <p>High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack</p>											
Security Security chip Fingerprint reader	<p>Power-on password, hard disk password, supervisor password, security keyhole</p> <p>None</p> <p><i>Some: UPEK Fingerprint reader on palm rest, swipe sensor</i></p>									<ul style="list-style-type: none"> For compatible accessories, please go to E-430 sheet; For Lenovo²² service upgrade options, please go to S-EDGE sheet 		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Top color	Finger print reader	Bat- tery cells	Bat- tery /Wh	Preload	Ann date (mm/yy)
6271-59U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win7 Pro64	10/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</i>										Preloaded operating system ²⁰	
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™										Ready to install applications ¹⁴ (only some listed)	
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot										• One Key Recovery Pro	
Widescreen display	14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator										Preloaded applications ¹⁴ (only some listed)	
Camera											• Access Connections™	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M, PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>										• TrueSuite Fingerprint Software (includes password manager function)	
Keyboard	6-row, spill-resistant, multimedia Fn keys										• ThinkVantage System Update	
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³										• ThinkVantage Power Manager	
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch										• ThinkVantage Tools	
ThinkLight™	None										• Lenovo SimpleTap	
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm										• Norton™ Internet Security 2012 (30 days of virus definitions)	
Weight ²	6-cell: from 4.74 lb (2.15kg)										• Adobe® Reader®	
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom										• Skype™	
Case material	Some: Black aluminum (top); black bottom										• Corel® WinDVD® (DVD±RW)	
Battery - type ³⁷	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic										• Corel Burn.Now™ Lenovo Edition (DVD±RW)	
Battery - life ¹⁰	Black aluminum (top): Aluminum										• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)	
Chipset	Mobile Intel HM77 Express Chipset										• Microsoft Office 2010 preloaded; purchase product key to activate	
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 1b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2										Supports ThinkVantage® technologies	
WWAN	None											
Modem	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card											
Ethernet	Realtek® RTL8111F Gigabit Network Connection											
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack											
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	None											
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor											
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3365-49U	i3-2328M	4GBx1	14.0" HD	0.3M	320G 5400	TP 11b/g/n	None	None	Black textured	None	6	Pro 64	08/12
3365-47U	i3-2328M	2GBx1	14.0" HD	0.3M	320G 5400	TP 11b/g/n	None	None	Black textured	None	6	Pro 64	08/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2328M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology</i>									Preloaded operating system²⁰ - Genuine Windows 7 Professional 64			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller									Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
mSATA™ SSD	None												
Widescreen display	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator												
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz												
Keyboard	6-row, spill-resistant, multimedia Fn keys												
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³												
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	None												
Dimensions ³	Black textured (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm												
Weight ²	6-cell: from 4.74 lb (2.15kg)												
Case color	Black textured (top); black bottom												
Case material	Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)									Supports ThinkVantage® technologies			
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1												
WWAN	None												
Modem	None												
Bluetooth™	None												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	None												
Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available													

See footnotes for more detailed information
US model(s) announced August 7, 2012

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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card		PCIe Mini Card WWAN /mSATA Carrier		Top color	Finger print reader	Battery cells	Preload	Ann date (mm/yy)
						WLAN	BT	None	None					
3365-4YU	i3-2328M	4GBx1	14.0" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	10/12	
3365-4XU	i3-2328M	2GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	10/12	
3365-4AU	i3-2328M	4GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	10/12	
3365-48U	i3-2328M	2GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	10/12	
3365-74U	i3-2348M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13	
3365-73U	i3-2348M	4GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13	
3365-72U	i3-2348M	4GBx1	14.0" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13	
3365-6ZU	i3-2348M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13	
3365-6YU	i3-2348M	4GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13	
3365-6XU	i3-2348M	2GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13	
3365-6WU	i3-2348M	4GBx1	14.0" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13	

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache) , Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2348M processor (2 cores, 2.30GHz, 3MB cache) , Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• Access Connections™• ThinkVantage Power Manager• ThinkVantage Tools• Lenovo SimpleTap• Adobe® Reader®• Microsoft Office 2010 preloaded; purchase product key to activate
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	
mSATA™ SSD	None	
Widescreen display	<i>Some: 14.0" (355mm) HD (1366x768) color</i> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some: 14.0" (355mm) HD (1366x768) color</i> , VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>	
Keyboard	6-row, spill-resistant, multimedia Fn keys	
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³	
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch	
ThinkLight™	None	
Dimensions ³	<i>Black textured (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm</i>	
Weight ²	6-cell: from 4.74 lb (2.15kg)	
Case color	Black textured (top); black bottom	
Case material	<i>Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic</i>	
Battery - type ³⁷	Lithium Ion 6-cell	
Battery - life ¹⁰	<i>6-cell (48Whr): up to 6.4 hr</i>	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard	None	
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	Supports ThinkVantage® technologies
WWAN Modem	None	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card	
Ethernet	Realtek® RTL8111F Gigabit Network Connection	
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	
Security	Power-on password, hard disk password, supervisor password, security keyhole	For compatible accessories, please go to O-E430 sheet;
Security chip	None	For Lenovo ²² service upgrade options, please go to S-EDGE sheet
Fingerprint reader	None	
Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available		

See footnotes for more detailed information

US model(s) announced October 23, 2012

Memory			Batteries³⁷	
2GB PC3-12800 DDR3 SODIMM	0A65722	ann 06/05/12	ThinkPad Battery 75+ (6-cell)	0A36311 ann 04/10/12
4GB PC3-12800 DDR3 SODIMM	0A65723	ann 06/05/12	ThinkPad External Battery Charger ⁴⁴	40Y7625 ann 09/20/05
Storage and removable storage			⁴⁴ Requires the ThinkPad 90W AC Adapter 40Y7659 or the adapter provided with the system.	
ThinkPad 16GB mSATA Solid State Cache Drive	0B47309	ann 12/11/12	More information at www.lenovo.com/alldaycomputing	
USB 2.0 Portable 320GB Hard Disk	45K1689	ann 03/17/09	ThinkPad 65W AC Adapter ⁴⁵	40Y7696 ann 01/05/06
USB 2.0 Portable 500GB Hard Disk	45K1690	ann 05/26/09	⁴⁵ Only compatible with the integrated graphics models.	
USB 3.0 Secure 500GB Hard Drive	0A65619	ann 11/29/11	ThinkPad 90W AC Adapter	40Y7659 ann 09/20/05
USB 3.0 Secure 750GB Hard Drive	0A65616	ann 11/29/11	90W Ultrathin AC/DC Combo Adapter	41R4493 ann 09/22/09
USB 3.0 Secure 1TB Hard Drive	0A65621	ann 08/28/12		
ThinkPad Expansion			More info at www.lenovo.com/support/poweradapters	
Lenovo® Essential Notebook Stand	45J9292	ann 05/12/09	Charging tips for 90W Ultrathin AC/DC Combo Adapter 41R4493	
USB 2.0 Port Replicator with Digital Video	0A33942	ann 03/22/11	• iPod and iPhone Charge Tip (L10a) 41R4481 ann 12/18/07	
Keyboard			• Generic Micro USB charge tip (L18) 41R4490 ann 01/06/09	
TrackPoint Cap Collection	73P2698	ann 12/16/03	More information at www.lenovopowertips.com	
Ultraslim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann 04/05/11		
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.				
USB Numeric Keypad	33L3225	ann 05/01/00	Carrying Cases	
Preferred Pro USB Keyboard	73P5220	ann 06/21/05	Up to 15.6" widescreen models:	
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04	Lenovo Messenger Max 41U5253 ann 05/01/07	
ThinkPad USB Keyboard with TrackPoint	55Y9003	ann 08/18/09	Lenovo Performance BackPack 41U5254 ann 05/01/07	
Lenovo USB Fingerprint Keyboard	73P4730	ann 02/22/05	ThinkPad Business Topload Case 43R2476 ann 05/13/08	
Lenovo USB Smartcard Keyboard	51J0155	ann 03/24/09	ThinkPad Business Backpack 43R2482 ann 05/13/08	
Mouse			ThinkPad Deluxe Expander Case 43R2478 ann 05/13/08	
ThinkPad Bluetooth Laser Mouse	0A36407	ann 06/26/12	ThinkPad Executive Leather Case 43R2480 ann 05/13/08	
Lenovo Optical Mouse (USB)	06P4069	ann 05/21/03	Lenovo Sport Backpack - Red 0A33896 ann 02/28/12	
Lenovo Laser Mouse (USB)	41U3074	ann 01/23/07	Lenovo Sport Slimcase - Red 0A33897 ann 02/28/12	
ThinkPad USB Laser Mouse	57Y4635	ann 12/15/09	Lenovo Sport Messenger - Red 0A33898 ann 02/28/12	
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	ann 08/27/02	Lenovo Sport Backpack - Blue 0B47298 ann 08/28/12	
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann 06/04/02	Lenovo Sport Slimcase - Blue 0B47300 ann 08/28/12	
Lenovo Wireless Laser Mouse ⁵²	0A36188	ann 12/20/11	Lenovo Sport Messenger - Blue 0B47299 ann 08/28/12	
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.			Lenovo Sport Backpack - Grey 0B47301 ann 08/28/12	
Security			Lenovo Sport Slimcase - Grey 0B47303 ann 08/28/12	
3M 14.0W Privacy Filter from Lenovo	0A61769	ann 04/05/11	Lenovo Sport Messenger - Grey 0B47302 ann 08/28/12	
Kensington® MicroSaver® Cable Lock	73P2582	ann 12/29/03	More information at www.lenovo.com/support/cases	
Kensington Twin Head Cable Lock	45K1620	ann 09/30/08		
Lenovo Security Cable Lock	57Y4303	ann 08/24/10	Monitors	
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06	ThinkVision L1900p 19" (VGA, DVI-D) 4431HE1 ann 11/11/08	
Multimedia			ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) ⁶⁹ 2448MB6 ann 09/13/11	
ThinkPad In-Ear Headphones with mic	57Y4488	ann 01/07/10	ThinkVision L2250p Wide 22" (VGA, DVI-D) 2572HB6 ann 10/20/09	
Modem			ThinkVision L2251x Wide 22" (VGA, DP) 2578HB6 ann 10/20/09	
USB 2.0 Lenovo Modem	43R1814	ann 02/26/08	ThinkVision LT2252p Wide 22" (VGA, DP, DVI-D) ⁶⁹ 2572MB6 ann 09/13/11	
			ThinkVision LT2452p Wide 24" (VGA, DP, DVI-D) ⁶⁹ 4420MB2 ann 09/13/11	
			⁶⁹ DisplayPort cable is not included.	
			ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Screen Cover (USB 2.0) 1452DS6 ann 08/16/11	
			More information at www.lenovo.com/support/monitors	
			Monitor Accessories⁴⁶	
			Lenovo USB Soundbar 0A36190 ann 05/01/12	
			Lenovo HDMI to HDMI Monitor Cable 0B47070 ann 05/22/12	
			Lenovo HDMI to VGA Monitor Cable 0B47069 ann 06/26/12	
			Lenovo USB 3.0 to DVI/VGA Monitor Adapter 0B47072 ann 08/14/12	
			Kensington MicroSaver Cable Lock 73P2582 ann 12/29/03	
			Kensington Twin Head Cable Lock 45K1620 ann 09/30/08	
			Lenovo Security Cable Lock 57Y4303 ann 08/24/10	
			Lenovo Easy Reach Monitor Stand 55Y9258 ann 09/22/09	
			⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.	
			More information at www.lenovo.com/support/monitoraccessories	
			For more information on accessories: www.lenovo.com/accessories	
			Purchase Lenovo accessories	
			www.lenovo.com/support/accessories	
			Product specifications on Lenovo Support	
			www.lenovo.com/accessoriesguide	
			Option Compatibility Matrix (OCM) and accessory brochures	
			www.lenovoquickpick.com	
			An Options Compatibility Configurator for Lenovo systems	

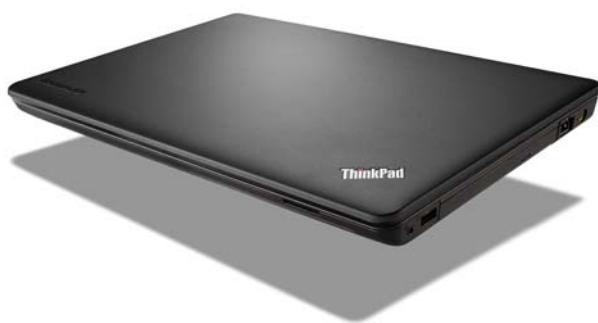
ThinkPad®



Lenovo® ThinkPad Edge E530



Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530c



Lenovo ThinkPad Edge E530 and E530c
with Numeric Keypad
(Matte black, Matte red, Matte blue or Black textured)



Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530
without Numeric Keypad
(Black aluminum)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat- tery cells	Ann date
											Preload	(mm/yy)
3259-BSU	i5-2450M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	Pro 64 04/12
3259-BRU	i3-2350M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	Pro 64 04/12
3259-78U	i3-2350M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black		6	Pro 64 04/12
3259-79U	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	Pro 64 04/12
3259-7AU	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	Pro 64 04/12
3259-7DU	i3-2350M	2GBx1	15.6" HD Glos	720p	320G 5400	TP 11b/g/n	None	Numpad	Matte black		6	Prem 64 04/12
3259-7EU	i3-2350M	4+2GB	15.6" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64 04/12
3259-7FU	i5-2450M	4+2GB	15.6" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64 04/12
3259-7HU	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	Pro 64 04/12
3259-7JU	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	Pro 64 04/12
3259-ELU	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	Pro 64 05/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology											Preloaded operating system²⁰
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller											Ready to install applications¹⁴ (only some listed)
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™											Preloaded applications¹⁴ (only some listed)
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot											• One Key Recovery Pro
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio											• Access Connections™
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator											• TrueSuite Fingerprint Software (includes password manager function)
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA) @75Hz; 1920x1200 (HDMI) @60Hz</i>											• ThinkVantage System Update
Keyboard	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys											• ThinkVantage Power Manager
TrackPoint® Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch											• ThinkVantage Tools
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm											• Lenovo SimpleTap
Weight ²	6-cell: from 5.4 lb (2.45kg)											• Norton™ Internet Security 2012 (30 days of virus definitions)
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom											• Adobe® Reader®
Case material	Some: Black aluminum (top); black bottom											• Skype™ for Windows
Battery - type ³⁷	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic											• Corel® WinDVD® (DVD±RW)
Battery - life ¹⁰	Black aluminum (top): Aluminum Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 hr											• Corel Burn.Now™ Lenovo Edition (DVD±RW)
Chipset	Mobile Intel HM77 Express Chipset											• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2											Supports ThinkVantage® technologies
WWAN Modem	None											65-watt AC adapter
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card											EPEAT™ Gold rating
Ethernet	Realtek® RTL8111F Gigabit Network Connection											ENERGY STAR® 5.0-compliant
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack											RoHS-compliant
Security	Power-on password, hard disk password, supervisor password, security keyhole											International Warranty Service ¹⁷
Security chip	None											24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor											For compatible accessories, please go to O-E530 sheet;
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											For Lenovo ²² service upgrade options, please go to S-EDGE sheet

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Battery cells /Wh	Battery type	Ann date	
3259-7LU	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Pro 64	05/12
3259-7CU	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	Numpad	Matte black	Finger	6	62	Pro 64	05/12	
3259-EMU	i7-3612QM	4GBx1	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	62	Pro 64	05/12	
3259-DWU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Pro 64	06/12
3259-DVU	i5-3210M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Black alum	Finger	6	48	Pro 64	06/12	
3259-DUU	i5-3210M	4+2GB	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Pro 64	06/12	
3259-DTU	i5-3210M	4GBx1	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Prem 64	06/12	
3259-TBU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	Numpad	Matte black	Finger	6	48	Pro 64	06/12	
3259-7GU	i5-3210M	4+2GB	15.6" HD Glos	720p	500G 5400	TP 11b/g/n + BT	Numpad	Matte black	Finger	6	48	Prem 64	06/12	
3259-7KU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Pro 64	06/12	
3259-EPU	i3-3110M	4GBx1	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Pro 64	06/12	
3259-TJU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	Numpad	Matte black	Finger	6	48	Pro 64	07/12	
3259-TMU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Pro 64	07/12	

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program

- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3110M processor (dual-core, 2.40GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology											Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64		
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™										Preloaded applications ¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot													
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz													
Keyboard	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys													
TrackPoint® Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch													
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm													
Weight ²	6-cell: from 5.4 lb (2.45kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom													
Case color	Some: Black aluminum (top); black bottom													
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum													
Battery - type ³⁷	Lithium Ion 6-cell													
Battery - life ¹⁰	6-cell (48Whr): up to 5.7 hr 6-cell (62Whr): up to 7.5 hr													
Chipset ExpressCard	Mobile Intel HM77 Express Chipset None													
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2										Supports ThinkVantage® technologies			
WWAN Modem	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack													
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	None													
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor													
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available													

See footnotes for more detailed information

US model(s) announced May 1, May 22, June 5, June 26 or July 31, 2012

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(GLN1-2) September 2012

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger print reader	Battery cells	Battery /Wh	Preload	Ann date (mm/yy)
3259-TEU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 64	10/12
3259-TFU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 Pro64	10/12
3259-TGU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 Pro64	10/12
3259-THU	i3-3110M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Matte black	None	6	48	Win8 Pro64	10/12
3259-TKU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Win8 Pro64	10/12
3259-TLU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64	10/12

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i></p> <p>Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology</p> <p>Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>													Preloaded operating system ²⁰													
Memory	<p>16GB max⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p>													- Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit													
Optical SATA disk	<p>DVD burner, 12.7mm high, fixed, not removable, tray-in</p> <p>Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™</p> <p><i>Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot</i></p>													Preloaded applications ¹⁴ (only some listed)													
mSATA™ SSD	<p><i>15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</i></p> <p>HD720p resolution, face track, low light sensitive, fixed focus, LED indicator</p>													• Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Microsoft Office 2013 preloaded; purchase product key to activate • Skype™													
Widescreen display	<p>15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p> <p>HD720p resolution, face track, low light sensitive, fixed focus, LED indicator</p>													Graphics													
Camera	<p>Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;</p> <p><i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i></p>													Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <p><i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i></p>													
Keyboard	<p>Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad</p> <p>Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys</p>													Keyboard													
TrackPoint® Touchpad	<p>TrackPoint pointing device, Internet Scroll Bar¹³</p> <p>UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch</p>													TrackPoint® Touchpad													
ThinkLight™	<p>None</p>													ThinkLight™													
Dimensions ³	<p>Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm</p> <p>Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm</p>													Dimensions ³													
Weight ²	<p>6-cell: from 5.4 lb (2.45kg)</p> <p><i>Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom</i></p>													Weight ²													
Case color	<p><i>Some: Black aluminum (top); black bottom</i></p>													Case color													
Case material	<p>Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic</p> <p>Black aluminum (top): Aluminum</p>													Case material													
Battery - type ³⁷	<p>Lithium Ion 6-cell</p>													Battery - type ³⁷													
Battery - life ¹⁰	<p>6-cell (48Whr): up to 5.7 hr</p> <p>6-cell (62Whr): up to 7.5 hr</p>													Battery - life ¹⁰													
Chipset	<p>Mobile Intel HM77 Express Chipset</p>													Chipset													
ExpressCard	<p>None</p>													ExpressCard													
Multicard Reader	<p>4-in-1 reader (MMC, SD, SDHC, SDXC)</p>													Multicard Reader													
Ports	<p>Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>													Ports													
PCIe Mini Card WLAN ⁴	<p>Two PCI Express Mini Card slots</p> <p>11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2</p>													PCIe Mini Card WLAN ⁴													
WWAN Modem	<p>None</p>													WWAN Modem													
Bluetooth™	<p>Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card</p>													Bluetooth™													
Ethernet	<p>Realtek® RTL8111F Gigabit Network Connection</p>													Ethernet													
Audio support	<p>High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack</p>													Audio support													
Security chip	<p>Power-on password, hard disk password, supervisor password, security keyhole</p>													Security chip													
Fingerprint reader	<p><i>Some: UPEK Fingerprint reader on palm rest, swipe sensor</i></p>													Fingerprint reader													
Limited warranty ¹²	<p>1-year - depot repair service / service upgrades²² available</p>													Limited warranty ¹²													
<p>See footnotes for more detailed information</p> <p>US model(s) announced October 23, 2012</p>																											
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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger print reader	Battery cells /Wh	Battery cells /Wh	Ann date (mm/yy)
6272-4SU	i3-3120M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	NumPad	Matte black	None	6	48	Win8 Pro64 10/12
6272-4RU	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	NumPad	Matte black	Finger	6	48	Win8 Pro64 10/12
6272-4TU	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64 10/12
6272-4GU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	NumPad	Matte black	Finger	6	48	Win7 Pro64 10/12
6272-4FU	i3-3120M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	NumPad	Matte black	None	6	48	Win7 Pro64 10/12
6272-4JU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Win7 Pro64 10/12
6272-4HU	i3-3120M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win7 Pro64 10/12
6272-55U	i7-3632QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	NumPad	Matte black	Finger	6	62	Win7 Pro64 11/12
6272-53U	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	NumPad	Matte black	Finger	6	48	Win8 Pro64 11/12
6272-52U	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	NumPad	Matte black	Finger	6	48	Win7 Pro64 11/12
6272-54U	i5-3210M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64 11/12
6272-6HU	i5-3210M	4+2GB	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64 12/12

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</i>													
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets													
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™													
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot													
Widescreen display	<i>Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</i> <i>Some: 15.6" (396mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</i>													
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>													
Keyboard	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys													
TrackPoint® Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None													
Dimensions ³	<i>Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm</i> <i>Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm</i>													
Weight ²	6-cell: from 5.4 lb (2.45kg)													
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom													
Case material	Some: Black aluminum (top); black bottom Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum													
Battery - type ³⁷	Lithium Ion 6-cell													
Battery - life ¹⁰	6-cell (48Whr): up to 5.7 hr 6-cell (62Whr): up to 7.5 hr													
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2													
WWAN Modem	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack													
Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole None													
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor													
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available													
Supports ThinkVantage® technologies														
65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²														
For compatible accessories, please go to O-E530 sheet;														
For Lenovo ²² service upgrade options, please go to S-EDGE sheet														

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Battery cells /Wh	Battery W/h	Preload	Ann date (mm/yy)
6272-7VU	i3-3130M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Matte black	None	6	48	Win7 Pro64	02/13
6272-7UU	i5-3230M	4+2GB	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win7 Pro64	02/13
6272-7TU	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win7 Pro64	02/13

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3130M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</i>										Preloaded operating system²⁰ - Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Ready to install applications¹⁴ (only some listed) <ul style="list-style-type: none">• One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™										Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none">• Access Connections™• TrueSuite Fingerprint Software (includes password manager function)• ThinkVantage System Update• ThinkVantage Power Manager• ThinkVantage Tools• Lenovo SimpleTap• Norton™ Internet Security 2012 (30 days of virus definitions)• Adobe® Reader®• Skype™• Corel® WinDVD® (DVD±RW)• Corel Burn.Now™ Lenovo Edition (DVD±RW)• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)• Microsoft Office 2010 preloaded; purchase product key to activate			
mSATA™ SSD	None													
Widescreen display Camera	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>													
Keyboard	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys													
TrackPoint® Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None													
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm													
Weight ² Case color	6-cell: from 5.4 lb (2.45kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom													
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum													
Battery - type ³⁷ Battery - life ¹⁰	Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 hr 6-cell (62Whr): up to 7.5 hr													
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2										Supports ThinkVantage® technologies			
WWAN Modem	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack													
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	None													
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor													
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available													

See footnotes for more detailed information
US model(s) announced February 5, 2013

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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Mini Card SIM card	Numeric Keypad	Top color	Finger print reader	Battery cells /Wh	Battery cells /Wh	Ann date (mm/yy)
6272-4PU	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	62	Win7 Pro64 10/12

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i>																							
Processor	Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology																							
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets																							
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in																							
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™																							
mSATA™ SSD	None																							
Widescreen display	<i>Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</i> <i>Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</i>																							
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator																							
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>																							
Keyboard	Matte black, Matte red or Matte blue (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad																							
TrackPoint® Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch																							
ThinkLight™	None																							
Dimensions ³	<i>Matte black, Matte red or Matte blue (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm</i>																							
Weight ²	6-cell: from 5.47 lb (2.48kg)																							
Case color	Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom																							
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic																							
Battery - type ³⁷	Lithium Ion 6-cell																							
Battery - life ¹⁰	6-cell (62Whr): up to 7.3 hr																							
Chipset	Mobile Intel HM77 Express Chipset																							
ExpressCard	None																							
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																							
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																							
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2																							
WWAN	None																							
Modem	None																							
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card																							
Ethernet	Realtek® RTL8111F Gigabit Network Connection																							
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack																							
Security	Power-on password, hard disk password, supervisor password, security keyhole																							
Security chip	None																							
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor																							
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available																							
Supports ThinkVantage® technologies																								
90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²																								
For compatible accessories, please go to O-E530 sheet;																								
For Lenovo ²² service upgrade options, please go to S-EDGE sheet																								

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe WWAN /mSATA	Mini Card	Numeric Keypad	Top color	Finger print reader	Bat- tery cells	Preload	Ann date (mm/yy)
3366-2YU	i3-2328M	4GBx1	15.6" HD	0.3M	320G 5400	TP 11b/g/n	None	Numpad	Black textured	None	6	Pro 64	08/12	
3366-2WU	i3-2328M	4GBx1	15.6" HD	0.3M	500G 5400	TP 11b/g/n	None	Numpad	Black textured	None	6	Pro 64	08/12	
3366-2UU	i3-2328M	2GBx1	15.6" HD	0.3M	320G 5400	TP 11b/g/n	None	Numpad	Black textured	None	6	Pro 64	08/12	

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2328M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology</i>										Preloaded operating system²⁰ - Genuine Windows 7 Professional 64			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller										Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™										Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
mSATA™ SSD	None													
Widescreen display	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator													
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>													
Keyboard TrackPoint® Touchpad ThinkLight™	Black textured (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None													
Dimensions ³	Black textured (top): 15.6" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm													
Weight ²	6-cell: from 5.4 lb (2.45kg)													
Case color	Black textured (top); black bottom													
Case material	Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic													
Battery - type ³⁷	Lithium Ion 6-cell													
Battery - life ¹⁰	6-cell (48Whr): up to 5.7 hr													
Chipset	Mobile Intel HM77 Express Chipset													
ExpressCard	None													
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)													
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)										Supports ThinkVantage® technologies			
PCIe Mini Card	Two PCI Express Mini Card slots													
WLAN ⁴	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1													
WWAN	None													
Modem	None													
Bluetooth™	None													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack													
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	None													
Fingerprint reader	None													
Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available														

See footnotes for more detailed information
US model(s) announced August 7, 2012

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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3366-33U	i3-2328M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	10/12
3366-32U	i3-2328M	2GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	10/12
3366-2ZU	i3-2328M	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	10/12
3366-2XU	i3-2328M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	10/12
3366-2VU	i3-2328M	2GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	10/12
3366-5AU	i3-2348M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-59U	i3-2348M	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-58U	i3-2348M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-57U	i3-2348M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13
3366-56U	i3-2348M	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13
3366-55U	i3-2348M	2GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13
3366-54U	i3-2348M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000 , DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000 , DDR3 memory controller (up to 1333MHz), HT technology										Preloaded operating system²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit																		
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller																												
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™																												
mSATA™ SSD	None																												
Widescreen display	<i>Some: 15.6" (396mm) HD (1366x768) color</i> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some: 15.6" (396mm) HD (1366x768) color</i> , VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio																												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator																												
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>																												
Keyboard TrackPoint® Touchpad ThinkLight™	Black textured (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None																												
Dimensions ³	Black textured (top): 15.6" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm																												
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg) Black textured (top); black bottom Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 hr																												
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																												
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2																												
WWAN Modem Bluetooth™ Ethernet Audio support	None None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack																												
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None None																												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available																												
Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²																													
For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet																													

See footnotes for more detailed information

US model(s) announced October 23, 2012 or January 15, 2013

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(GLN1c-2) February 2013

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Ann date
3260-5UU	A6-4400M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Pro 64 06/12
3260-5VU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64 06/12
3260-5SU	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	None	6	Pro 64 07/12
3260-5TU	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	None	6	Prem 64 07/12
3260-DRU	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64 07/12
3260-DQU	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64 07/12
3260-EAU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64 08/12
3260-E9U	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64 08/12
3260-E8U	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64 08/12

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

• Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</p> <p>AMD Accelerated Processor A4-4300M (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)</p> <p>AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p>	Preloaded operating system ²⁰
Memory	<p>16GB max⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p>	Some: Genuine Windows® 7 Home Premium 64
Optical SATA disk	<p>DVD burner, 12.7mm high, fixed, not removable, tray-in</p> <p>Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™</p>	Some: Genuine Windows 7 Professional 64
mSATA™ SSD	<p>None</p>	Ready to install applications ¹⁴ (only some listed)
Widescreen display	<p>15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>	• One Key Recovery Pro
Camera	<p>HD720p resolution, face track, low light sensitive, fixed focus, LED indicator</p>	Preloaded applications ¹⁴ (only some listed)
Graphics	<p>AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;</p> <p><i>Max external resolution: 1920x1600 (VGA) @60Hz; 1920x1200 (HDMI) @60Hz</i></p>	<ul style="list-style-type: none"> • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate
Keyboard	<p>Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad</p> <p>Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys</p>	
TrackPoint® Touchpad	<p>TrackPoint pointing device, Internet Scroll Bar¹³</p>	
ThinkLight™	<p>UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch</p>	
Dimensions ³	<p>Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm</p> <p>Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm</p>	
Weight ²	<p>6-cell: from 5.4 lb (2.45kg)</p>	
Case color	<p>Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom</p>	
Case material	<p>Some: Black aluminum (top); black bottom</p> <p>Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic</p> <p>Black aluminum (top): Aluminum</p>	
Battery - type ³⁷	<p>Lithium Ion 6-cell</p>	
Battery - life ¹⁰	<p>6-cell (48Whr): up to 6.0 hr</p>	
Chipset	<p>AMD A70M FCH</p>	
ExpressCard	<p>None</p>	
Multicard Reader	<p>4-in-1 reader (MMC, SD, SDHC, SDXC)</p>	
Ports	<p>Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>	
PCIe Mini Card WLAN ⁴	<p>One PCI Express Mini Card slot</p> <p>Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1</p> <p>Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1</p>	Supports ThinkVantage® technologies
WWAN	<p>None</p>	
Modem	<p>None</p>	
Bluetooth™	<p>Some: Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card</p>	
Ethernet	<p>Realtek® RTL8111F Gigabit Network Connection</p>	
Audio support	<p>High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack</p>	
Security	<p>Power-on password, hard disk password, supervisor password, security keyhole</p>	
Security chip	<p>None</p>	
Fingerprint reader	<p>Some: AuthenTec fingerprint reader on palm rest, swipe sensor</p>	
Limited warranty ¹²	<p>1-year - depot repair service / service upgrades²² available</p>	For compatible accessories, please go to O-E530 sheet;
		For Lenovo ²² service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information

US model(s) announced June 19, July 24, July 31 or August 28, 2012

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(GLN11-1) September 2012

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger print reader	Bat- tery cells	Preload	Ann date (mm/yy)
3260-EFU	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	10/12
3260-EDU	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	None	6	Win7 Pro64	10/12
3260-ECU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	10/12
3260-E7U	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-E6U	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-E5U	A6-4400M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-E4U	A6-4400M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-E3U	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-E2U	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-DZU	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-DYU	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-DXU	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-DVU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> AMD Accelerated Processor A4-4300M (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)												
Memory	16GB max ¹ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Preloaded operating system²⁰ <ul style="list-style-type: none">- <i>Some</i>: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit- <i>Some</i>: Windows 8 64-bit- <i>Some</i>: Windows 8 Pro 64-bit Preloaded applications (only some listed) <ul style="list-style-type: none">- Windows 7 models<ul style="list-style-type: none">• Access Connections™• ThinkVantage Power Manager• ThinkVantage Tools• Lenovo SimpleTap• Adobe® Reader®• Microsoft Office 2010 preloaded; purchase product key to activate- Windows 8 models<ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Microsoft Office 2013 preloaded; purchase product key to activate- All models<ul style="list-style-type: none">• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Skype™		
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™												
mSATA™ SSD	None												
Widescreen display	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Camera													
Graphics	AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz</i>												
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None												
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm												
Weight ²	6-cell: from 5.4 lb (2.45kg)												
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom												
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.0 hr												
Chipset	AMD A70M FCH												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	One PCI Express Mini Card slot <i>Some</i> : 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 <i>Some</i> : 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1										Supports ThinkVantage® technologies		
WWAN Modem	None												
Bluetooth™	<i>Some</i> : Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	<i>Some</i> : AuthenTec fingerprint reader on palm rest, swipe sensor												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

Memory		Batteries³⁷	
2GB PC3-12800 DDR3 SODIMM	0A65722 ann 06/05/12	ThinkPad Battery 75+ (6-cell)	0A36311 ann 04/10/12
4GB PC3-12800 DDR3 SODIMM	0A65723 ann 06/05/12	ThinkPad External Battery Charger ⁴⁴	40Y7625 ann 09/20/05
Storage and removable storage		⁴⁴ Requires the <i>ThinkPad 90W AC Adapter</i> 40Y7659 or the adapter provided with the system.	
USB 2.0 Portable 320GB Hard Disk	45K1689 ann 03/17/09	More information at www.lenovo.com/alldaycomputing	
USB 2.0 Portable 500GB Hard Disk	45K1690 ann 05/26/09	ThinkPad 65W AC Adapter ⁴⁵	40Y7696 ann 01/05/06
USB 3.0 Secure 500GB Hard Drive	0A65619 ann 11/29/11	⁴⁵ Only compatible with the integrated graphics models.	
USB 3.0 Secure 750GB Hard Drive	0A65616 ann 11/29/11	ThinkPad 90W AC Adapter	40Y7659 ann 09/20/05
USB 3.0 Secure 1TB Hard Drive	0A65621 ann 08/28/12	90W Ultrathin AC/DC Combo Adapter	41R4493 ann 09/22/09
<i>E530 Only:</i>			
ThinkPad 16GB mSATA Solid State Cache Drive	0B47309 ann 12/11/12	More info at www.lenovo.com/support/poweradapters	
ThinkPad Expansion		Charging tips for 90W Ultrathin AC/DC Combo Adapter 41R4493	
Lenovo® Essential Notebook Stand	45J9292 ann 05/12/09	• iPod and iPhone Charge Tip (L10a)	41R4481 ann 12/18/07
USB 2.0 Port Replicator with Digital Video	0A33942 ann 03/22/11	• Generic Micro USB charge tip (L18)	41R4490 ann 01/06/09
Keyboard		More information at www.lenovopowertips.com	
TrackPoint Cap Collection	73P2698 ann 12/16/03		
Ultralight Plus Wireless Keyboard and Mouse ⁵²	0A34032 ann 04/05/11	Carrying Cases	
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.		Up to 15.6" widescreen models:	
USB Numeric Keypad	33L3225 ann 05/01/00	Lenovo Messenger Max	41U5253 ann 05/01/07
Preferred Pro USB Keyboard	73P5220 ann 06/21/05	Lenovo Performance BackPack	41U5254 ann 05/01/07
Enhanced Performance USB Keyboard	73P2620 ann 03/23/04	ThinkPad Business Topload Case	43R2476 ann 05/13/08
ThinkPad USB Keyboard with TrackPoint	55Y9003 ann 08/18/09	ThinkPad Business Backpack	43R2482 ann 05/13/08
Lenovo USB Fingerprint Keyboard	73P4730 ann 02/22/05	ThinkPad Deluxe Expander Case	43R2478 ann 05/13/08
Lenovo USB Smartcard Keyboard	51J0155 ann 03/24/09	ThinkPad Executive Leather Case	43R2480 ann 05/13/08
Mouse		Lenovo Sport Backpack - Red	0A33896 ann 02/28/12
ThinkPad Bluetooth Laser Mouse	0A36407 ann 06/26/12	Lenovo Sport Slimcase - Red	0A33897 ann 02/28/12
Lenovo Optical Mouse (USB)	06P4069 ann 05/21/03	Lenovo Sport Messenger - Red	0A33898 ann 02/28/12
Lenovo Laser Mouse (USB)	41U3074 ann 01/23/07	Lenovo Sport Backpack - Blue	0B47298 ann 08/28/12
ThinkPad USB Laser Mouse	57Y4635 ann 12/15/09	Lenovo Sport Slimcase - Blue	0B47300 ann 08/28/12
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405 ann 08/27/02	Lenovo Sport Messenger - Blue	0B47299 ann 08/28/12
ThinkPad Travel Mouse (USB, Optical)	31P7410 ann 06/04/02	Lenovo Sport Backpack - Grey	0B47301 ann 08/28/12
Lenovo Wireless Laser Mouse ⁵²	0A36188 ann 12/20/11	Lenovo Sport Slimcase - Grey	0B47303 ann 08/28/12
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.		Lenovo Sport Messenger - Grey	0B47302 ann 08/28/12
Security		More information at www.lenovo.com/support/cases	
3M 15.6W Privacy Filter from Lenovo	0A61771 ann 04/05/11	Monitors	
Kensington® MicroSaver® Cable Lock	73P2582 ann 12/29/03	ThinkVision L1900p 19" (VGA, DVI-D)	4431HE1 ann 11/11/08
Kensington Twin Head Cable Lock	45K1620 ann 09/30/08	ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) ⁶⁹	2448MB6 ann 09/13/11
Lenovo Security Cable Lock	57Y4303 ann 08/24/10	ThinkVision L2250p Wide 22" (VGA, DVI-D)	2572HB6 ann 10/20/09
USB Gemplus GemPC Smart Card Reader	41N3040 ann 02/21/06	ThinkVision L2251x Wide 22" (VGA, DP)	2578HB6 ann 10/20/09
Multimedia		ThinkVision LT2252p Wide 22" (VGA, DP, DVI-D) ⁶⁹	2572MB6 ann 09/13/11
ThinkPad In-Ear Headphones with mic	57Y4488 ann 01/07/10	ThinkVision LT2452p Wide 24" (VGA, DP, DVI-D) ⁶⁹	4420MB2 ann 09/13/11
Modem		⁶⁹ DisplayPort cable is not included.	
USB 2.0 Lenovo Modem	43R1814 ann 02/26/08	ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Screen Cover (USB 2.0)	1452DS6 ann 08/16/11
Monitor Accessories⁴⁶		More information at www.lenovo.com/support/monitors	
Lenovo USB Soundbar		Monitor Accessories⁴⁶	
Lenovo HDMI to HDMI Monitor Cable		Lenovo USB Soundbar	0A36190 ann 05/01/12
Lenovo HDMI to VGA Monitor Cable		Lenovo HDMI to HDMI Monitor Cable	0B47070 ann 05/22/12
Lenovo USB 3.0 to DVI/VGA Monitor Adapter		Lenovo HDMI to VGA Monitor Cable	0B47069 ann 06/26/12
Kensington MicroSaver Cable Lock		Lenovo USB 3.0 to DVI/VGA Monitor Adapter	0B47072 ann 08/14/12
Kensington Twin Head Cable Lock		Kensington MicroSaver Cable Lock	73P2582 ann 12/29/03
Lenovo Security Cable Lock		Kensington Twin Head Cable Lock	45K1620 ann 09/30/08
Lenovo Easy Reach Monitor Stand		Lenovo Security Cable Lock	57Y4303 ann 08/24/10
		Lenovo Easy Reach Monitor Stand	55Y9258 ann 09/22/09
		⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.	
		More information at www.lenovo.com/support/monitoraccessories	
		For more information on accessories: www.lenovo.com/accessories Purchase Lenovo accessories	
		www.lenovo.com/support/accessories Product specifications on Lenovo Support	
		www.lenovo.com/accessoriesguide Option Compatibility Matrix (OCM) and accessory brochures	
		www.lenovoquickpick.com An Options Compatibility Configurator for Lenovo systems	

The TopSeller™ services are designed to make selling the popular services with TopSeller systems faster and easier. Channel partners should always use TopSeller services with TopSeller systems. TopSeller services part numbers typically provide enhanced discounts and incentives for channel partners. The TopSeller service delivered to the customer is identical to the service delivered using a standard service part number. In situations where a desired service is not offered under a TopSeller service part number or the sale requires a special bid process, use available standard service part numbers.

TopSeller services should always be offered by channel business partners with TopSeller hardware, unless the sale requires special bid pricing or the desired service is not offered as a TopSeller service part.

For more information see:

<http://www2.partnerinfo.lenovo.com/partners/us/resources/salestoolkit.shtml>

TopSeller service upgrade options for ThinkPad Edge Series

ThinkPad Edge E220s/E420s Sealed Battery notebooks with 1-year Depot warranty

3 YEAR Depot Warranty with Battery Replacement	04W8702
3 YEAR Depot Warranty with Battery Replacement & Accidental Damage Protection	04W8704
3 YEAR Onsite Warranty with Battery Replacement	04W8703
3 YEAR Onsite Warranty with Battery Replacement & Accidental Damage Protection	04W8705

ThinkPad Edge notebooks with 1-year Depot warranty

3 YEAR Depot Warranty	04W8706
3 YEAR Depot Warranty & Accidental Damage Protection	04W8708
3 YEAR Onsite Warranty	04W8707
3 YEAR Onsite Warranty & Accidental Damage Protection	04W8709

TopSeller Priority Support

- 24x7 support with priority routing and advanced level technicians

ThinkPad Edge notebooks with 1-year Depot warranty

Add to 3-year warranty coverage - 3-year Priority Support*	04W8720
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* Covered machine must have concurrent warranty coverage.

Partial list of Lenovo® Services²² for ThinkPad Edge notebooks

For more information see: http://www.lenovo.com/services_warranty/us/en/index.html

Lenovo service upgrade options for ThinkPad Edge series

ThinkPad Edge notebook with 1-year Depot warranty

2 YEAR Depot Warranty	45K5971
3 YEAR Depot Warranty	45K5972

1 YEAR Onsite Warranty	45K5968
2 YEAR Onsite Warranty	45K5969
3 YEAR Onsite Warranty	45K5970
4 YEAR Onsite Warranty	0A34462

ThinkPad Twist S230u with 1-year Depot warranty

2 YEAR Depot Warranty	0C07006
4 YEAR Depot Warranty	0A34460

1 YEAR Onsite Warranty	45K5968
2 YEAR Onsite Warranty	0C07007
3 YEAR Onsite Warranty	04W9529
4 YEAR Onsite Warranty	0A34462

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- ¹ Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- ² **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- ³ **Thinness** may vary at certain points on the system.
- ⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- ⁶ **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- ⁷ **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.
- ⁸ **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ¹⁰ **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- ¹² **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ¹³ **Internet access not included.**
- ¹⁴ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
- ¹⁶ **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.
- ¹⁷ **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.
- ¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with Depot or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.
- ¹⁹ **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- ²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

²² **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

²³ **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

²⁴ **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

²⁷ **Based on IEEE 802.11a and 802.11b.** A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

²⁸ **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

³⁰ **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.

³² **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

³⁵ **Operating system:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/think/support and enter your machine type and model number for more information.

³⁷ **Battery:** The ThinkPad Edge and ThinkPad SL series do not support batteries that are not genuine Lenovo-made or authorized. These systems will continue to boot, but may not charge unauthorized batteries.

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